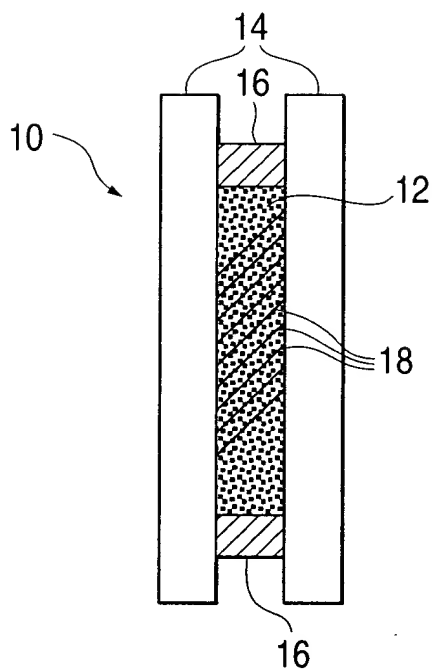
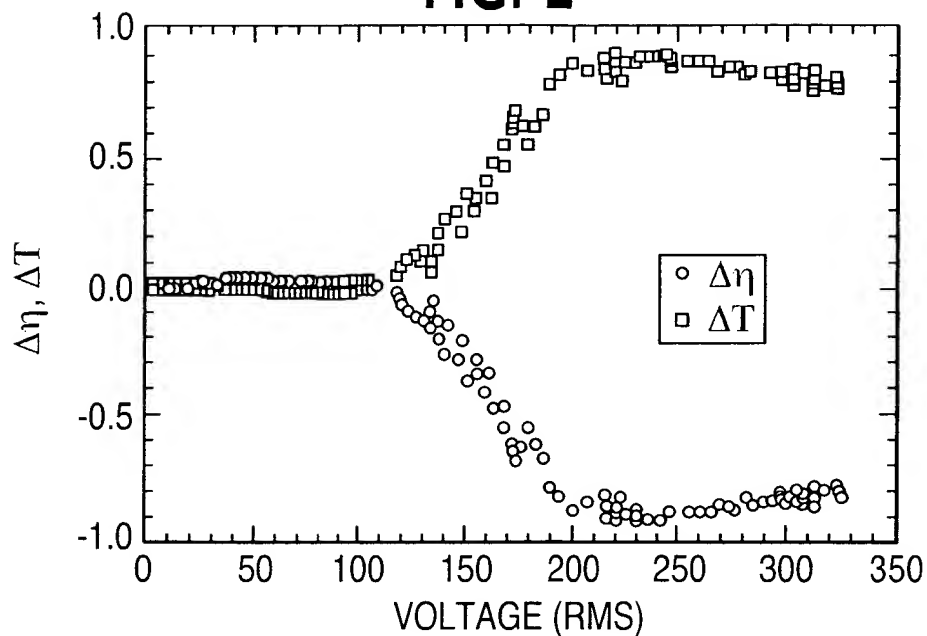


**FIG. 1**

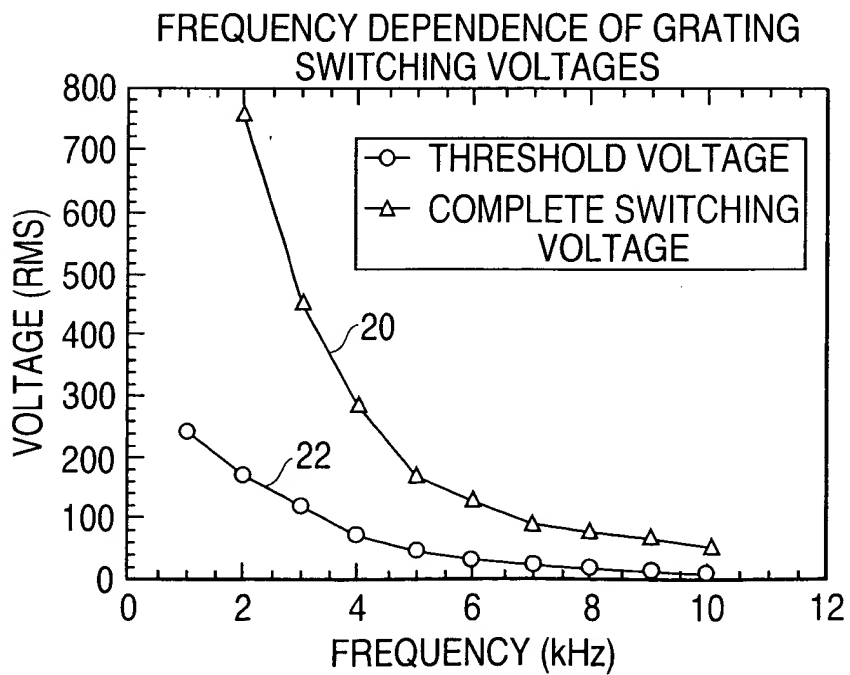


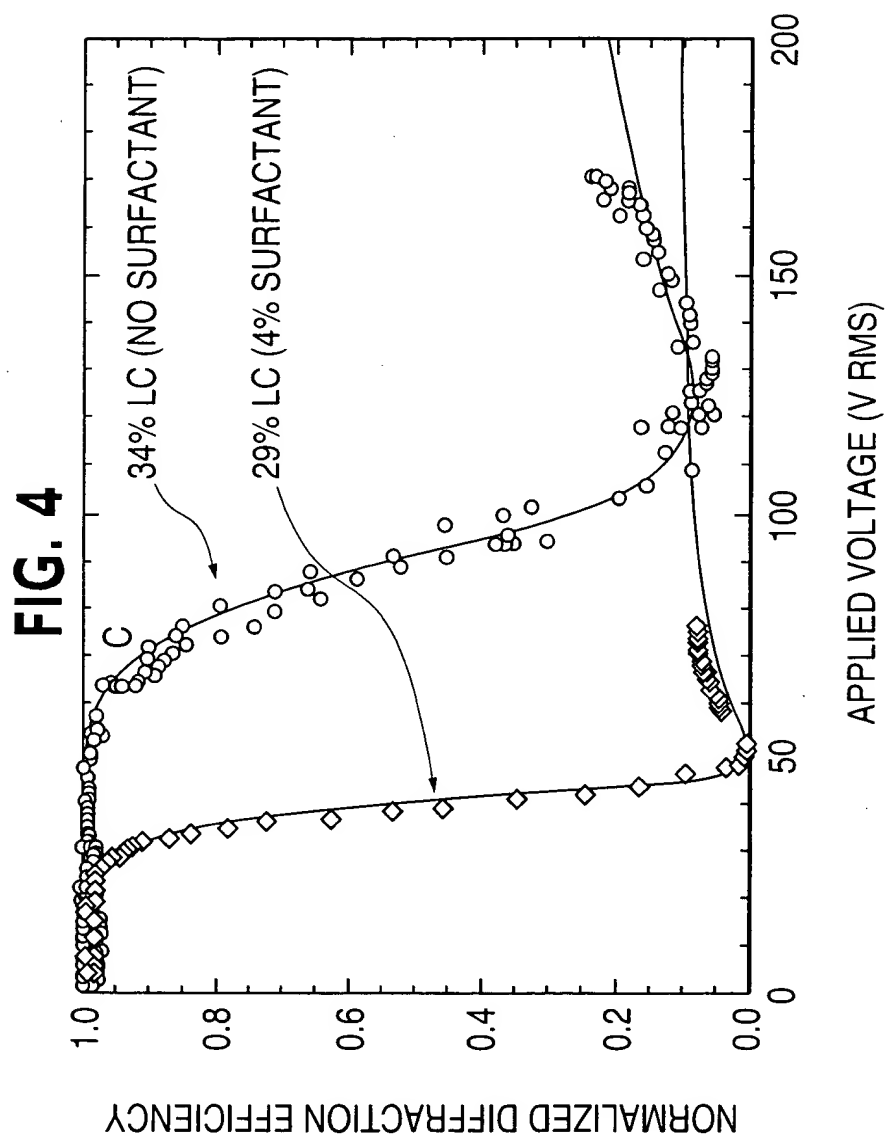
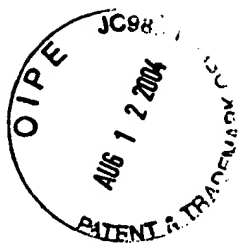


**FIG. 2**



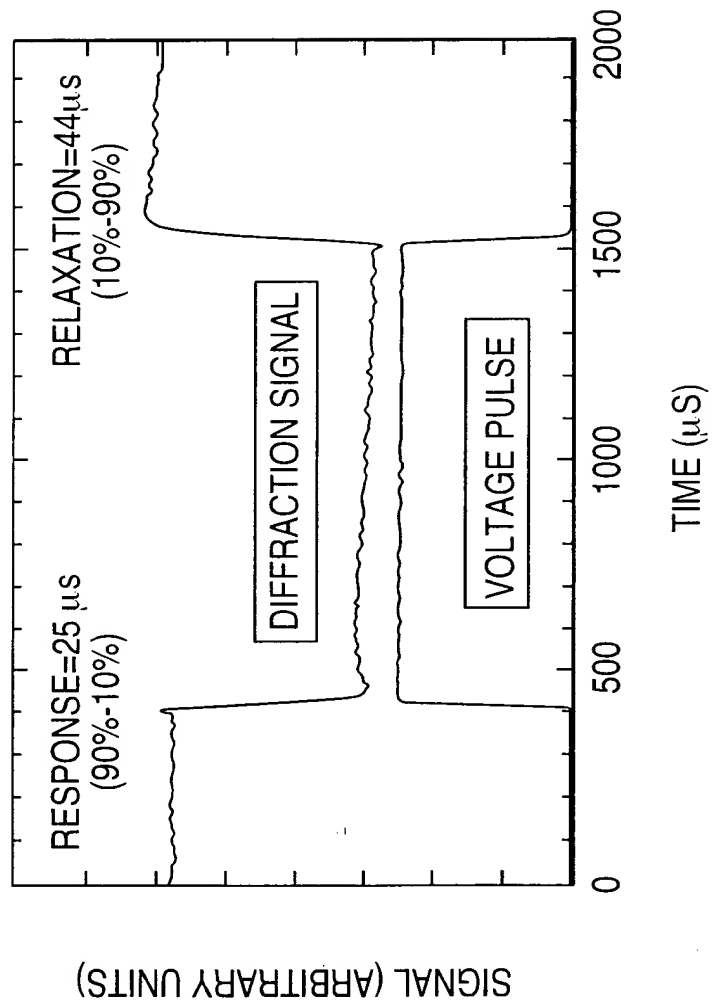
**FIG. 3**





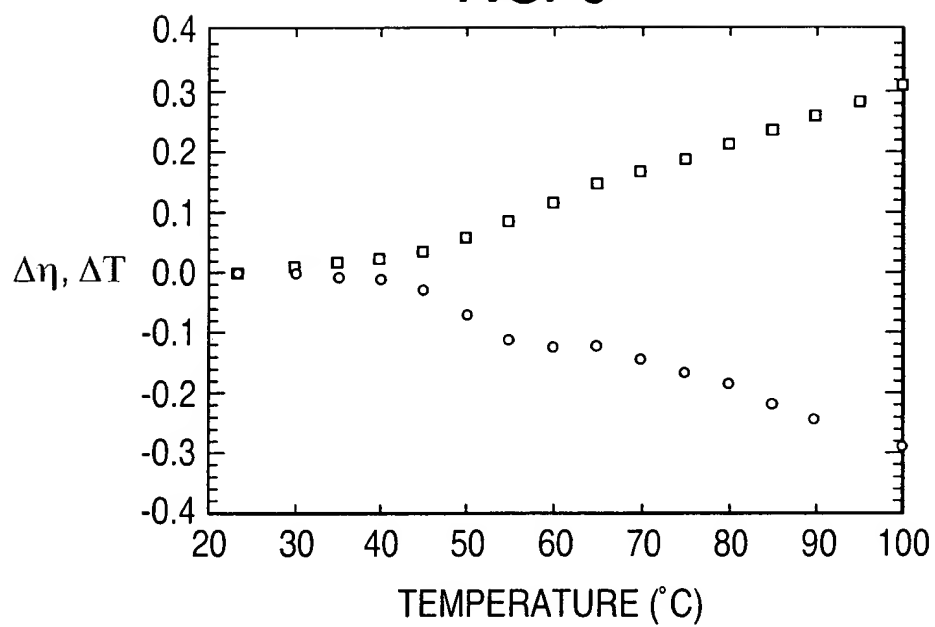


**FIG. 5**



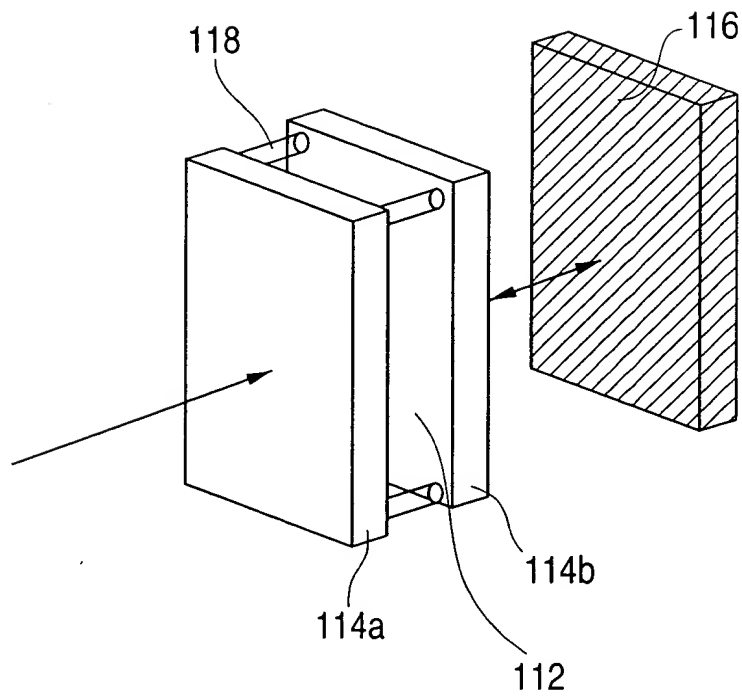


**FIG. 6**





**FIG. 7**



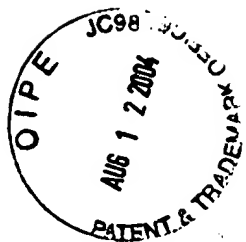


FIG. 8a

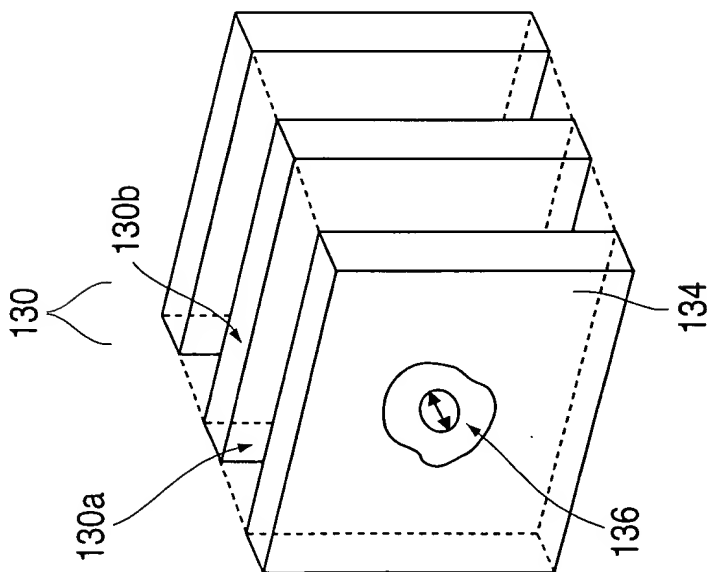
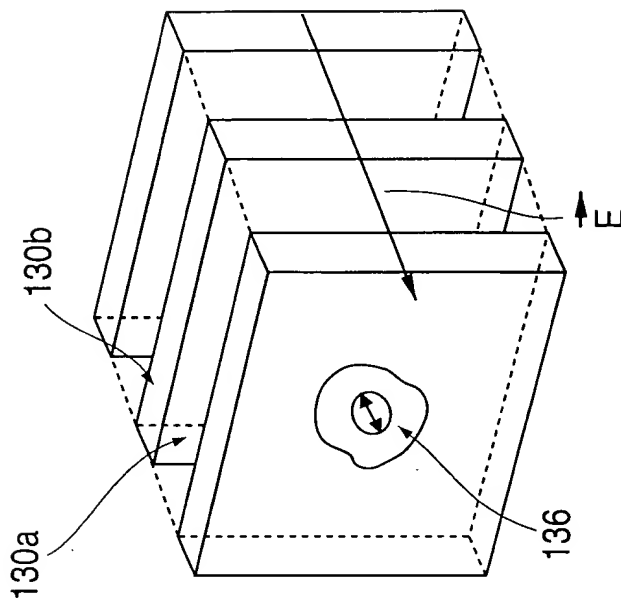


FIG. 8b



REFLECTION GRATING



FIG. 9b

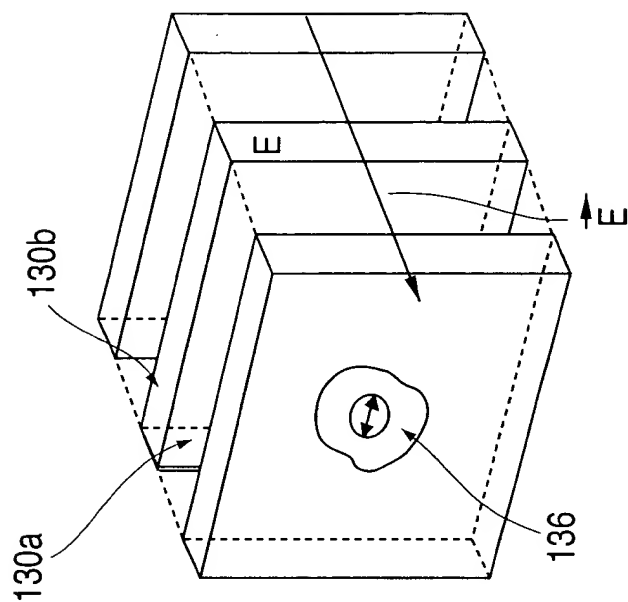
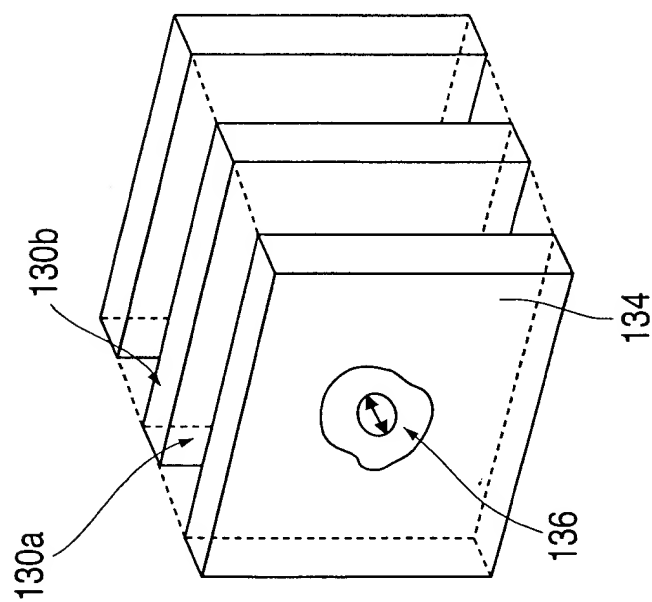


FIG. 9a

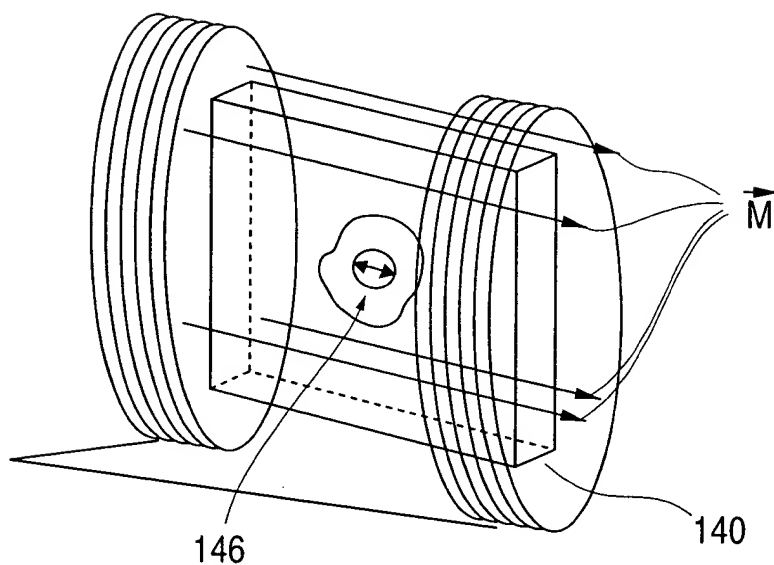


REFLECTION GRATING

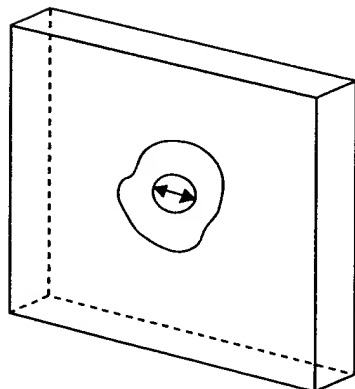




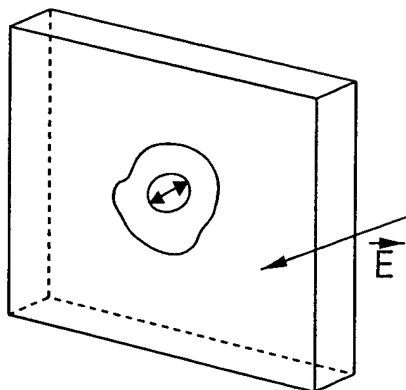
**FIG. 10a**

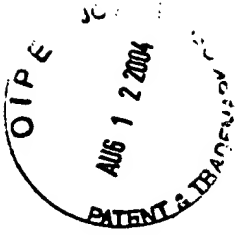


**FIG. 10b**

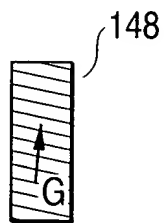


**FIG. 10c**



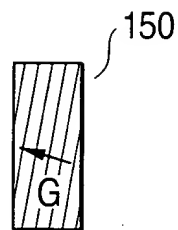


**FIG. 11a**



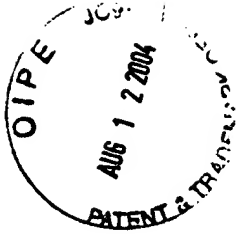
TRANSMISSION

**FIG. 11b**

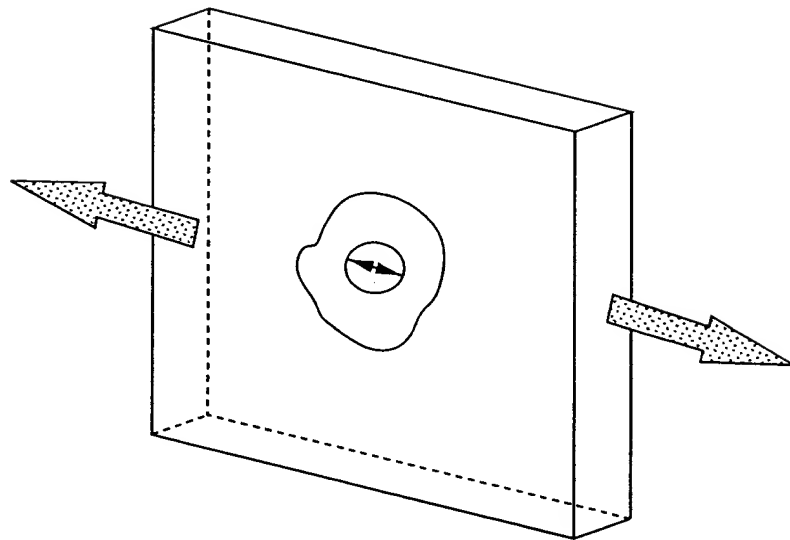


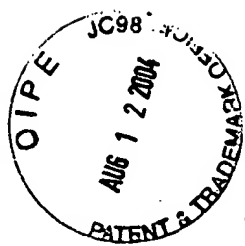
REFLECTION

SLANTED

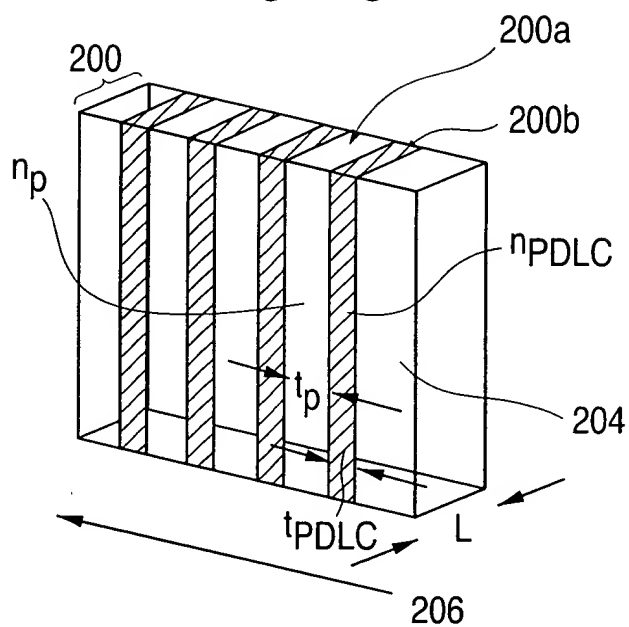


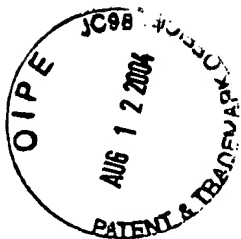
**FIG. 12**



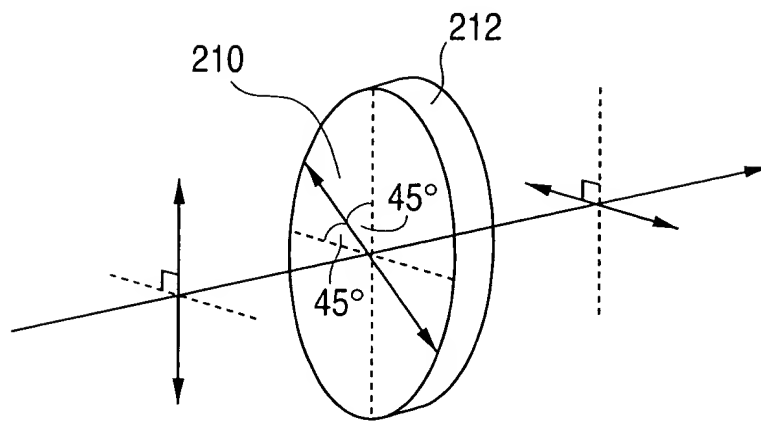


**FIG. 13**

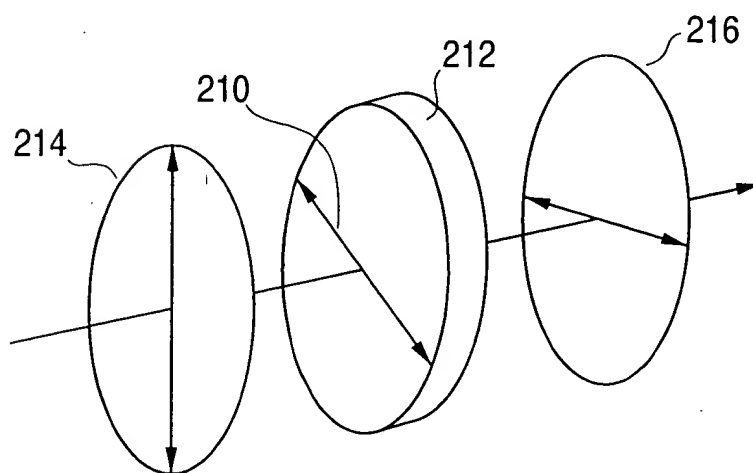


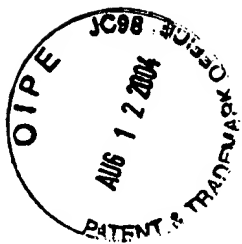


**FIG. 14a**

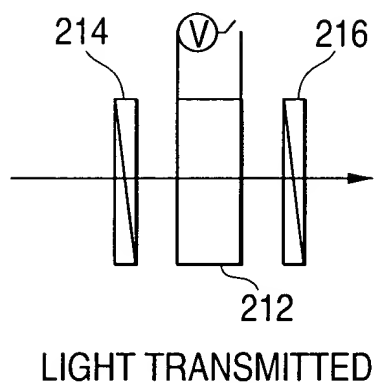


**FIG. 14b**

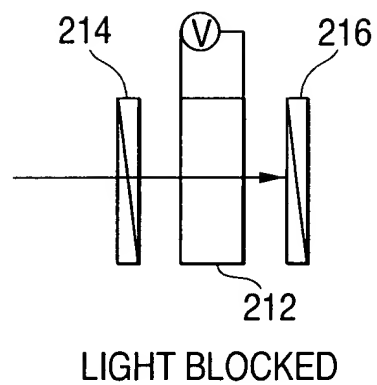


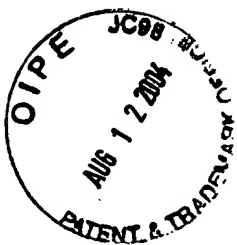


**FIG. 14c**

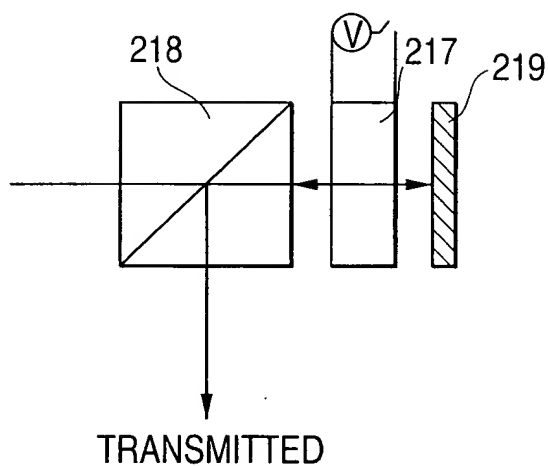


**FIG. 14d**

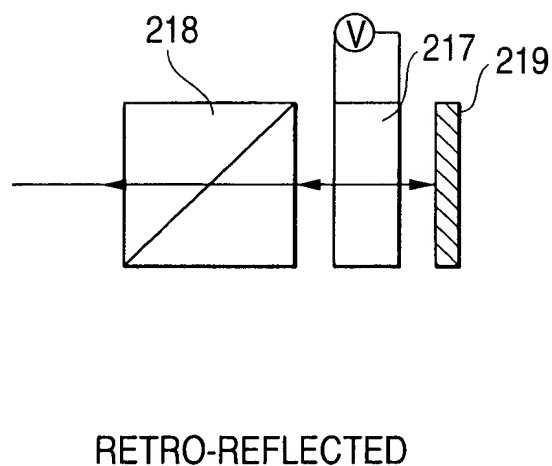


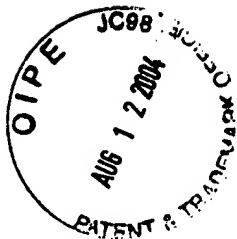


**FIG. 15a**

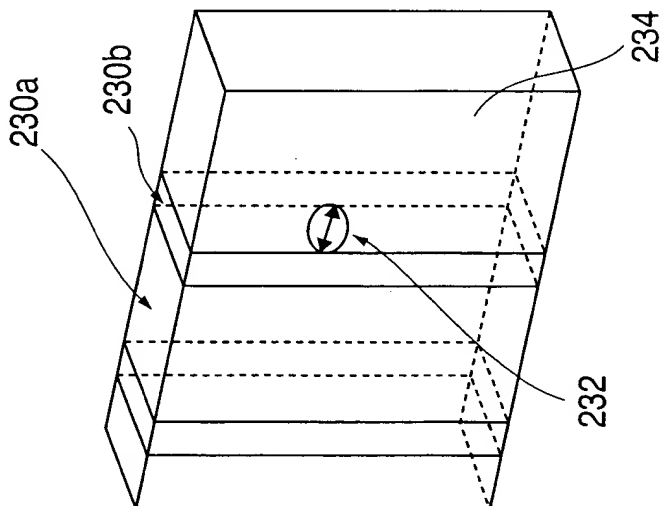


**FIG. 15b**



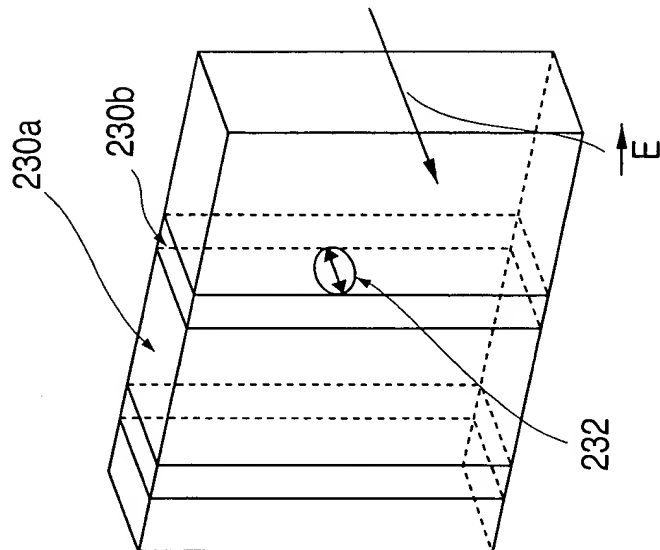


**FIG. 16a**



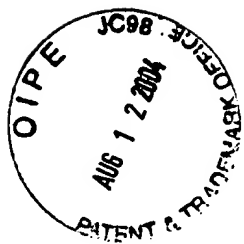
UNSWITCHED STATE

**FIG. 16b**

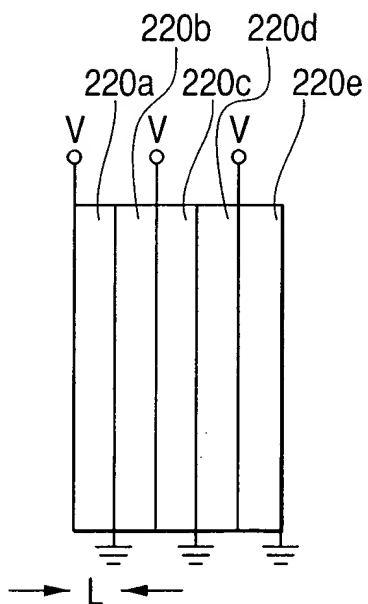


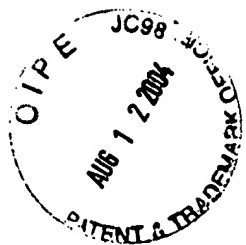
SWITCHED STATE



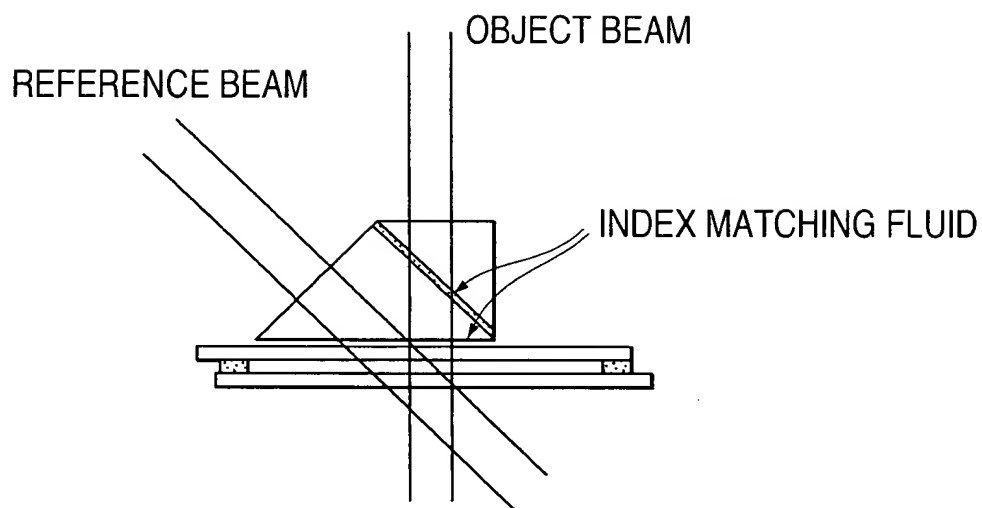


**FIG. 17**

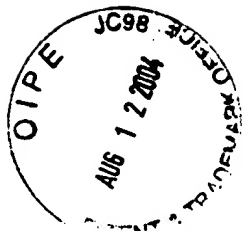
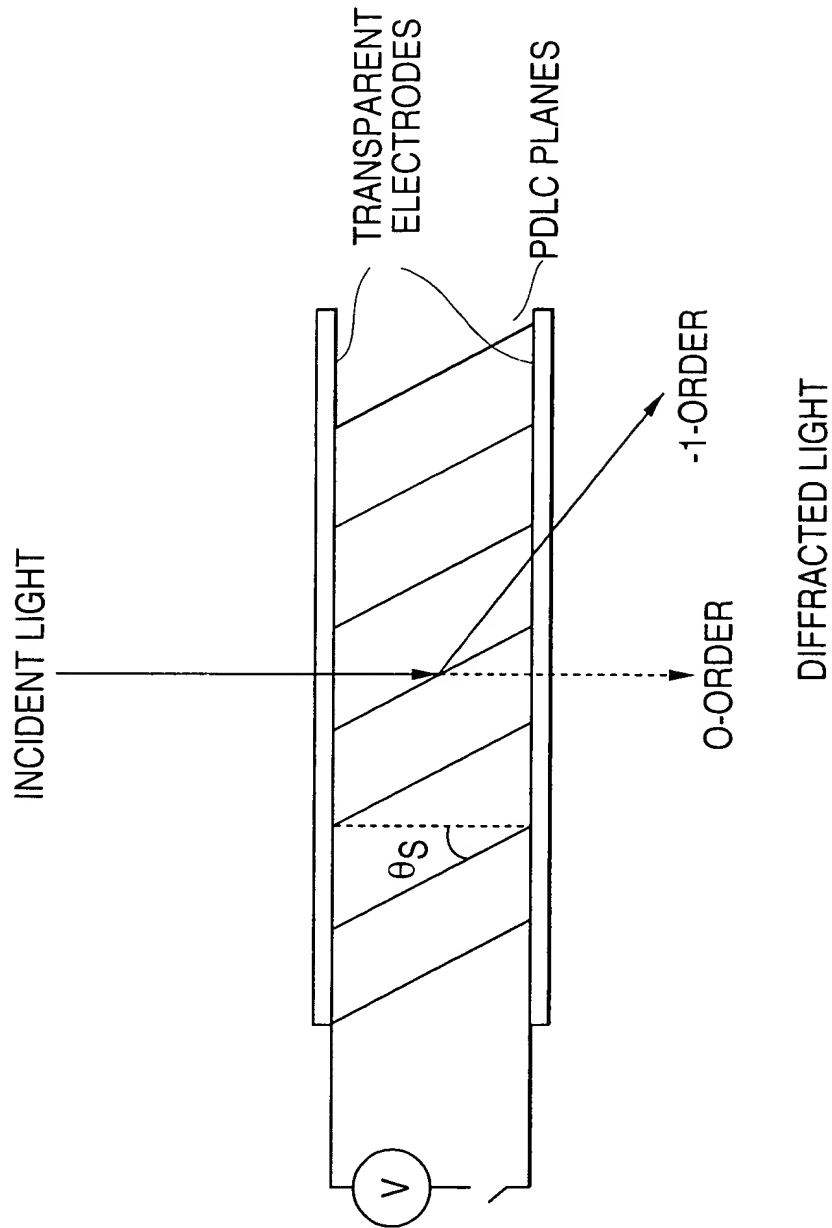


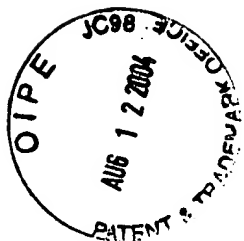


**FIG. 18**

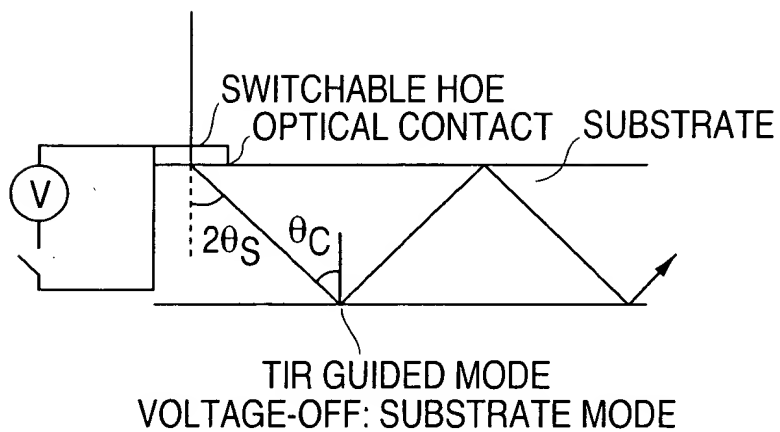


**FIG. 19**

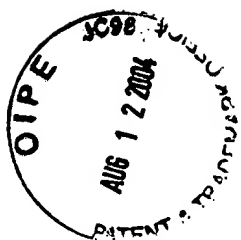
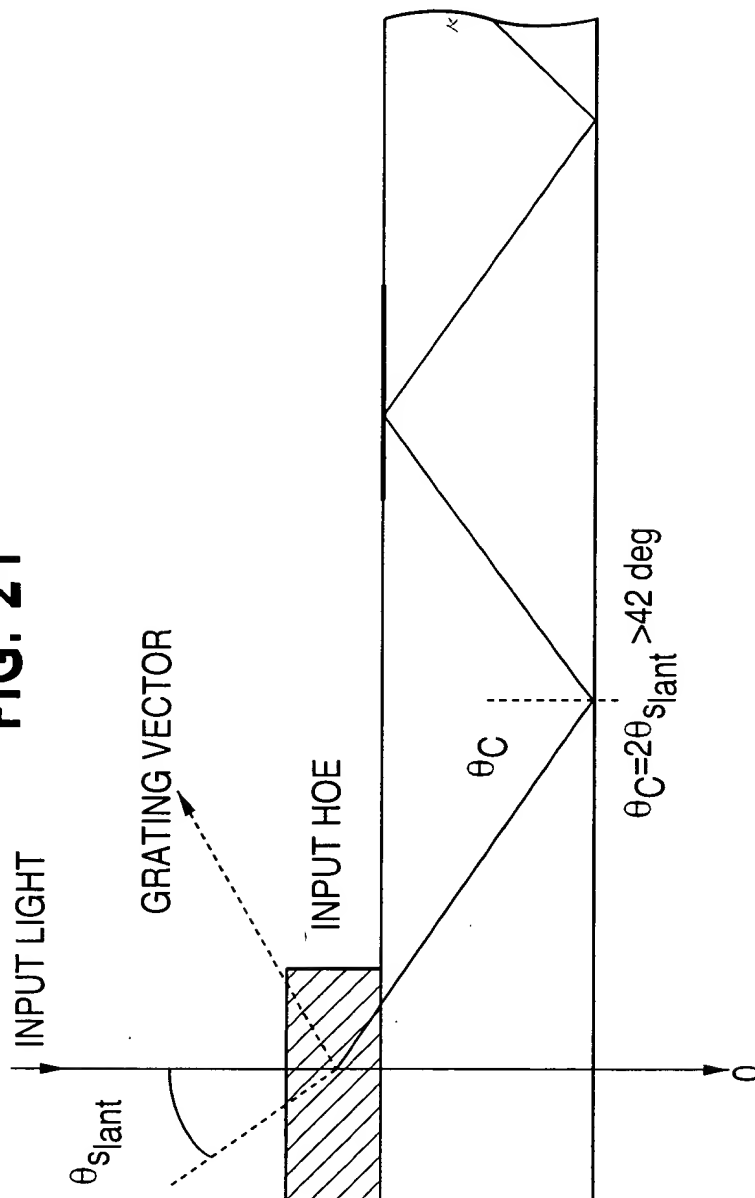


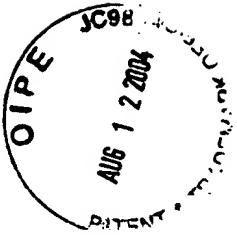


**FIG. 20**

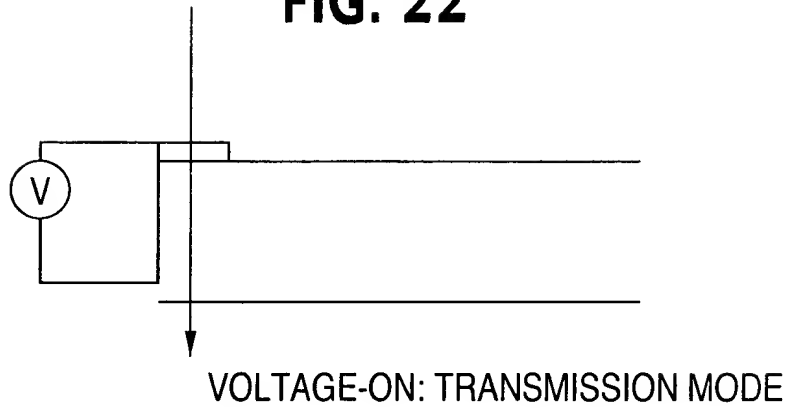


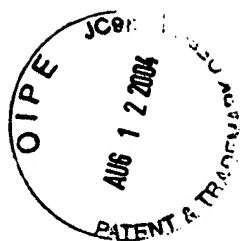
**FIG. 21**



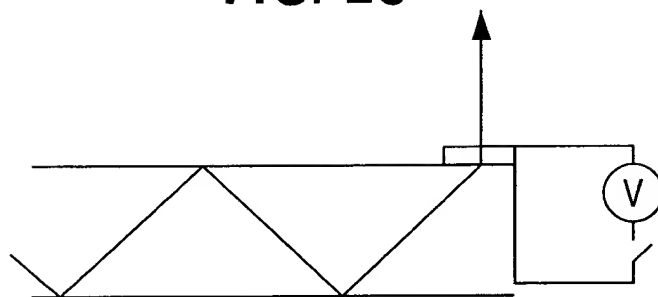


**FIG. 22**

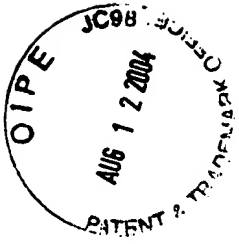




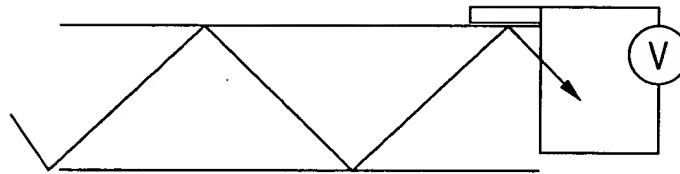
**FIG. 23**



VOLTAGE-OFF: SWITCH-OUT MODE

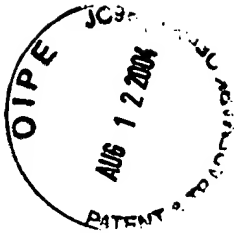


**FIG. 24**

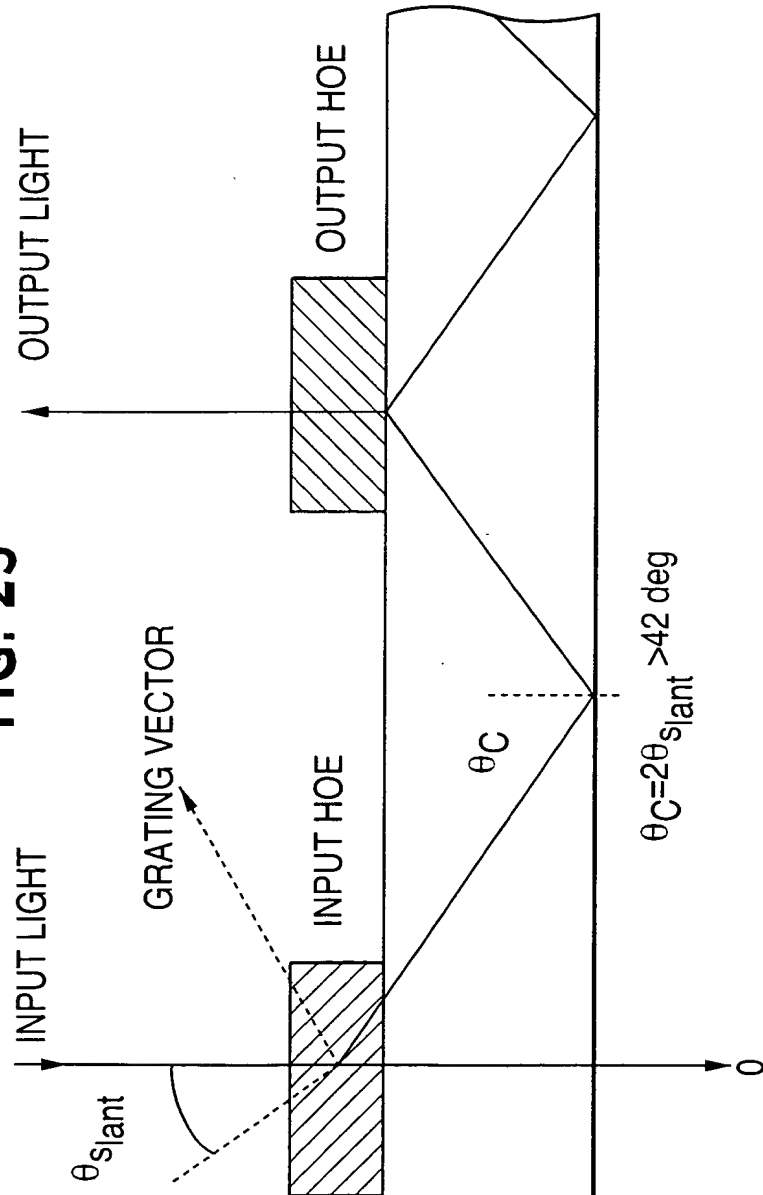


VOLTAGE-ON: SUBSTRATE MODE





**FIG. 25**



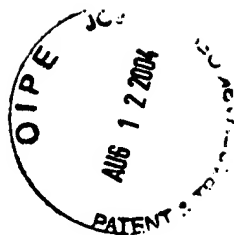
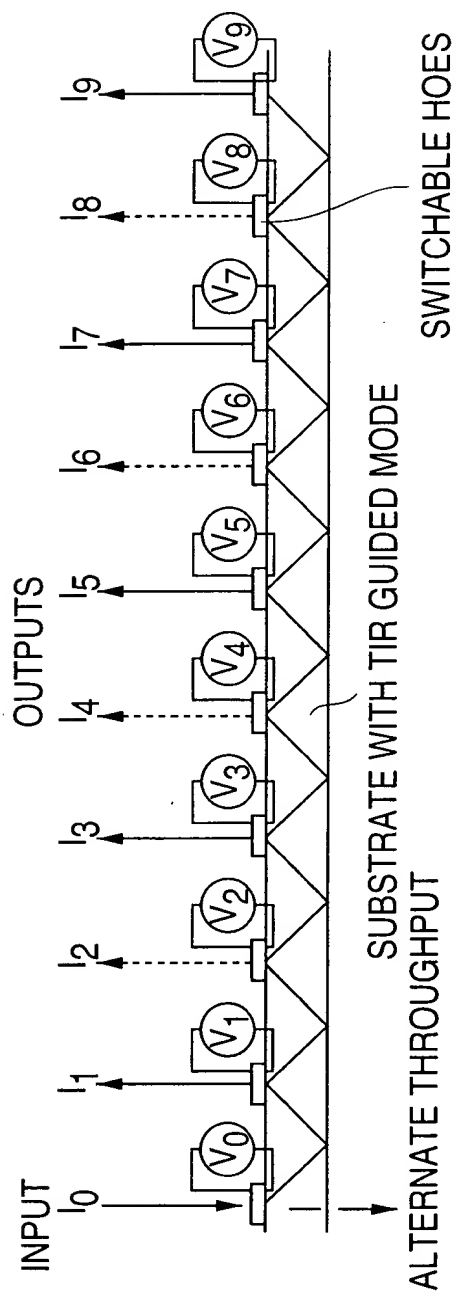
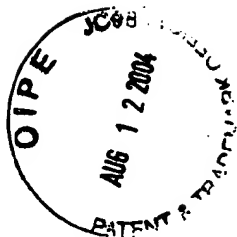
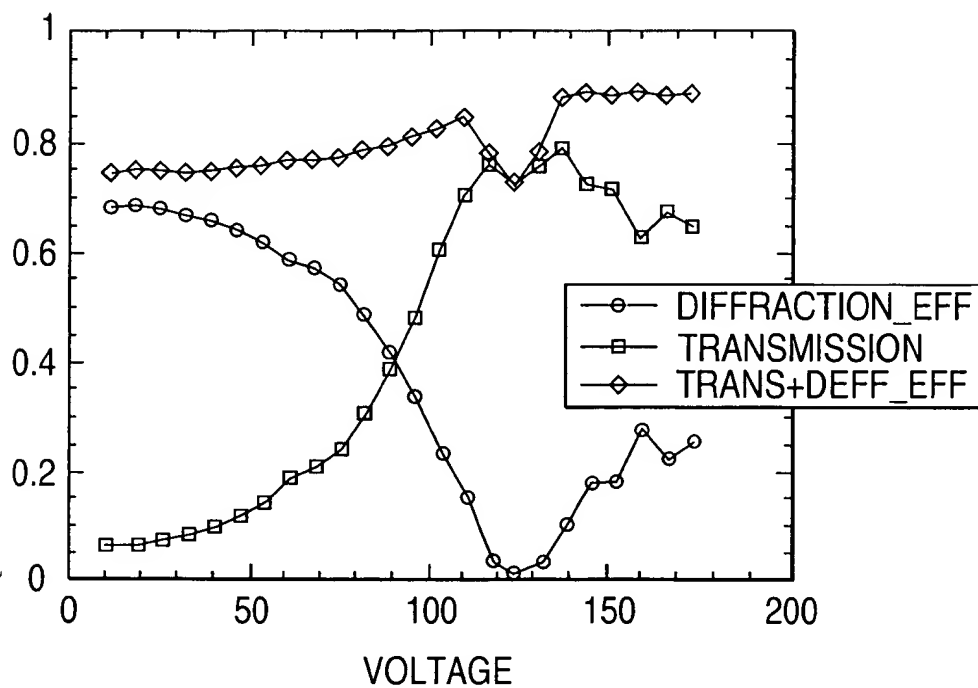


FIG. 26



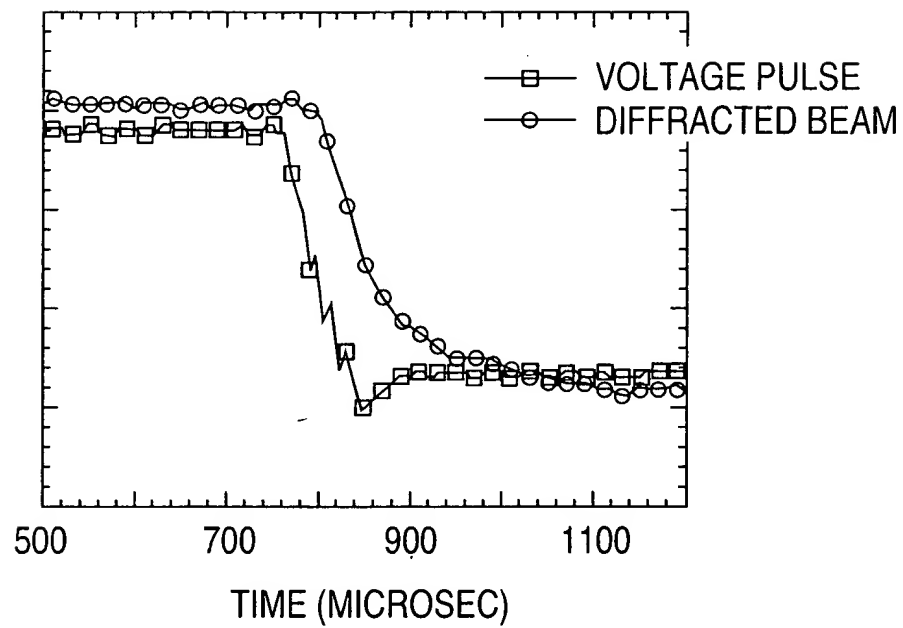


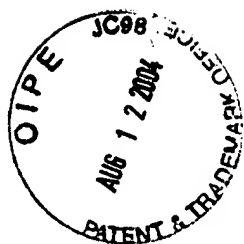
**FIG. 27**



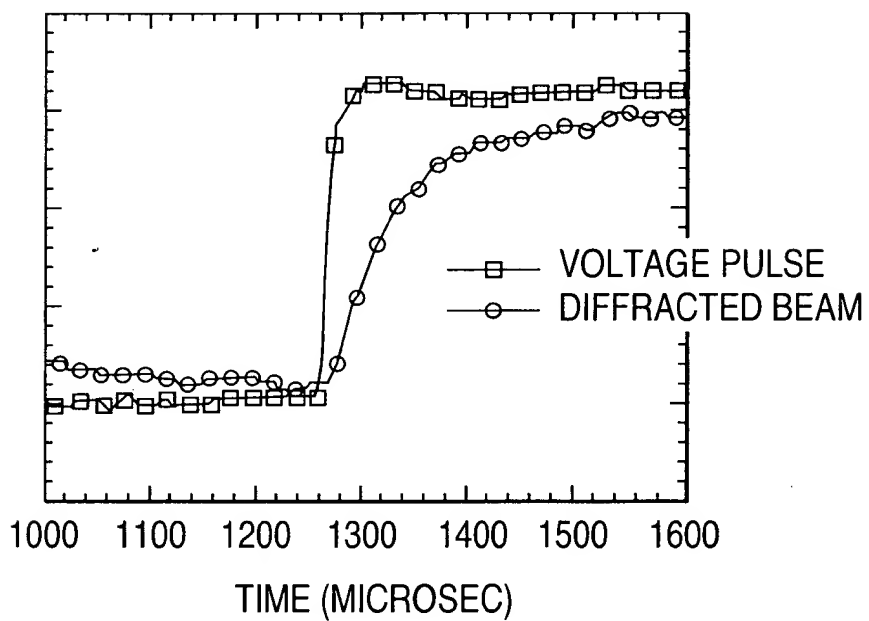


**FIG. 28**





**FIG. 29**





**FIG. 30**

